



Contribution ID: 937

Type: **Parallel session talk**

## Particle Physics for Primary Schools: a Case Study about Science Teaching in K-12 Schools

*Friday 30 July 2021 10:38 (17 minutes)*

We report on an ongoing project aimed to teach particle physics in primary schools, based on an original format developed by C.Lazzeroni and M.Pavlidou at the University of Birmingham (UK). The workshop allows young children (ages 8-11) to learn the world of particles, use creative design to make particle models and engage in creative writing to describe how particles interact with each other.

Early exposure to current results in contemporary science is important since it has been realized in recent years that children make decisions and choices about subjects they like during their primary school years.

We will start from the past and currently planned activities both in UK and in Italy in order to establish a broader framework to describe the conditions for the fruitful interplay between researchers and teachers in order to foster and support science outreach activities in schools.

### Collaboration / Activity

Univ.of Birmingham and INFN

### First author

### Email

**Primary authors:** Dr MALVEZZI, Sandra (INFN, Milano Bicocca (Italy)); Prof. LAZZERONI, Cristina (University of Birmingham, UK); QUADRI, Andrea (INFN, Sez.di Milano)

**Presenter:** QUADRI, Andrea (INFN, Sez.di Milano)

**Session Classification:** T14: Outreach, Education and Diversity

**Track Classification:** Outreach, Education and Diversity